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WHAT IS CLAIMED IS:

1	1.	A hearing	device	adapted	for	extended	wear	entirely	within	an ear	canal,
2	comprising:										

a core assembly including a lateral section having a microphone and a battery assembly, and a receiver section having a receiver; and

a sealing retainer concentrically positioned over said receiver section for conforming to the walls substantially at the bony region of the ear canal, for seating the hearing device in the ear canal and for acoustical sealing against feedback within the ear canal;

said lateral section being of generally oval cross-sectional perimeter and of generally cylindrical and elongated shape along its longitudinal axis, said lateral section being adapted for at least partial lateral suspension in the ear canal without occlusion thereof when said hearing device is inserted within the ear canal.

- 2. The hearing device of claim 1, wherein said battery assembly is rechargeable.
- 3. The hearing device of claim 1, wherein said lateral section is medially tapered.
- 4. The hearing device of claim 1, wherein said lateral section is dimensioned for said non-occlusion with minimal or no contact with the walls of the ear canal when said hearing device is inserted therein, for minimal interference with hair and debris present within the ear canal.

- 5. The hearing device of claim 1, wherein said lateral section further comprises a stabilizer for positioning between the outer surface of said lateral section and the walls of the ear canal to center and stabilize said lateral section within the ear canal when said device is inserted therein.
 - 6. The hearing device of claim 1, wherein said core assembly comprises a thin moisture-proof encapsulation with its outer surface at least partially exposed directly to the environment of the ear canal when said device is inserted therein.
 - 7. The hearing device of claim 1, wherein said receiver section is flexibly connected to said lateral section to facilitate insertion of said core assembly within the ear canal, and to allow movement of said lateral section in response to canal movements or to accumulation of debris within the ear canal.
- 8. The hearing device of claim 1, further comprising at least one acoustically-transparent moisture-proof debris guard for protecting a sound port of at least one of said microphone and said receiver.
- 9. The hearing device of claim 1, further comprising an air vent for pressure equalization.

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- 1 10. The hearing device of claim 1, wherein said microphone includes an amplifier 2 integral therewith for processing acoustic signal. 1 11. The hearing device of claim 1, further including programming means for 2 selectively adjusting electroacoustic parameters of said hearing device. 1 12. The hearing device of claim 1, further including remote control means for 2 controlling at least one control parameter of said hearing device. 13. The hearing device of claim 12, wherein said remote control means includes 1 means operative using at least one of sound, ultrasound, magnetic, electromagnetic, radio 2
- 1 **14.** The hearing device of claim 1, wherein said sealing retainer has an oval cross-2 sectional perimeter.
- 1 **15.** The hearing device of claim 1, wherein said sealing retainer is composed of compressible material.
 - 16. The hearing device of claim 15, wherein said compressible material responds to compression by undergoing time-delayed expansion to assume a sealing fit within the ear

frequency and infrared signals.

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- 3 canal when the hearing device is inserted therein.
- 1 17. The hearing device of claim 1, wherein said sealing retainer is composed of conforming material.
- 1 18. The hearing device of claim 17, wherein said sealing retainer is composed of silicone or polyurethane foam.
 - 19. The hearing device of claim 1, wherein said sealing retainer is configured to form an air-gap relative to said receiver section when fitted thereon.
 - 20. The hearing device of claim 1, wherein said sealing retainer is removable from said hearing device and disposable for replacement thereof.
- 1 **21.** The hearing device of claim 1, wherein said sealing retainer further comprises medication material selected from a group including anti-bacterial and anti-microbial agents.
 - 22. The hearing device of claim 1, including an assortment of different sizes and shapes of said sealing retainer for assembly of a selected sealing retainer of said assortment with said hearing device to optimally accommodate the dimensions of an individual ear canal.

23.	The hearing device of claim 1, further comprising a strand to aid in either	r the
placement o	r the removal of said hearing device into and from the ear canal.	

- 24. The hearing device of claim 1, wherein said oval cross-sectional perimeter of said lateral section has a long diameter to short diameter ratio of approximately 1.4.
- **25.** A battery assembly for connection to a core assembly of an extended wear canal hearing device, comprising:

an outer enclosure adapted for substantially direct exposure to the environment of an ear canal into which said hearing device is to be inserted,

said battery assembly adapted to be combined with a microphone section of said core assembly to form a lateral section of generally oval cross-sectional perimeter and generally cylindrical and elongated shape along its longitudinal axis, said lateral section being adapted for at least partial lateral suspension in the ear canal without occlusion thereof when said hearing device is inserted within the ear canal.

- **26.** The battery assembly of claim **25**, wherein said battery assembly is rechargeable.
- The battery assembly of claim 25, wherein said lateral section is medially tapered.

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28. The battery assembly of claim 25, wherein said lateral section is dimensioned
for said non-occlusion, with minimal or no contact with the walls of the ear canal when said
hearing device is inserted therein, for minimal interference with hair and debris present within
the ear canal.

29. A single-use disposable hearing device adapted to be positioned entirely within an ear canal for extended wear therein, comprising:

a core assembly including:

a lateral section containing a microphone and a battery assembly, said battery assembly being non-removably integrated within said lateral section, said lateral section having a generally oval cross-sectional perimeter and a generally cylindrical and elongated shape along the longitudinal axis of said lateral section corresponding to the longitudinal axis of the ear canal within which said hearing device is to be inserted, and

a receiver section containing a receiver, said receiver section coupled to said lateral section and adapted to be medially positioned in the bony region of the ear canal when said hearing device is inserted within the ear canal; and

a sealing retainer concentrically positioned over said receiver section and conforming to the walls of the ear canal at the bony region thereof, for seating said hearing device in the ear canal and providing an acoustic seal to inhibit feedback therein, and for at least partially laterally suspending said lateral section in the ear canal;

said lateral section being dimensioned to be substantially non-occluding with minimal

17	or no contact with	n the walls of the ear	canal when	said hearing	device	is inserted	therein.
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- 30. The single-use disposable hearing device of claim 29, wherein said coupling of the receiver section to the lateral section is a flexible connection.
- 1 31. The single-use disposable hearing device of claim 29, wherein said sealing retainer is composed of conforming material.
 - 32. The single-use disposable hearing device of claim 29, wherein said sealing retainer has an air-gap therein.
 - 33. The single-use disposable hearing device of claim 29, wherein said sealing retainer further comprises medication material selected from a group including anti-bacterial and anti-microbial agents.
 - 34. The single-use disposable hearing device of claim 29, including an assortment of different sizes and shapes of said sealing retainer, for assembly of a sealing retainer of selected size and shape among said assortment with the core assembly, to optimally accommodate the dimensions of an individual ear canal.
 - 35. The single-use disposable hearing device of claim 31, wherein said sealing

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36.	The single-use	disposable	hearing	device	of claim	29 ,	said de	evice b	eing
constructed an	nd adapted to be v	worn in the	ear canal	for an	extended	l perio	od of ti	me wit	hout
need for daily	insertion into and	d removal fr	om the e	ar cana	l.				

- 37. The single-use disposable hearing device of claim 36, wherein said extended period of time is at least one week.
- **38.** A single-use disposable hearing device adapted to be positioned entirely within an ear canal for extended wear therein, comprising:

a core assembly with a lateral section of generally oval cross-section and generally elongated cylindrical shape for alignment substantially along the ear canal's longitudinal axis, and with a receiver section having a receiver coupled to said lateral section for medial positioning in the ear canal's bony region; said lateral section being dimensioned to avoid occluding the ear canal while at least partially laterally suspended therein, with a microphone and a battery assembly incorporated in said lateral section; and

a sealing retainer concentrically positioned over said receiver section, of a composition to conform to the ear canal's bony region wall to seat said hearing device and acoustically seal it in the ear canal to inhibit feedback therein.

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